

Notice of Allowability

Application No.

10/522,481

Applicant(s)

CHA ET AL.

Examiner

Quyen P. Leung

Art Unit

2874

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 03 Nov 2006.
2. ☒ The allowed claim(s) is/are 1-12.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some* c) ☐ None of the:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☒ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

Quyen P. Leung
Primary Examiner

Reasons for Allowance

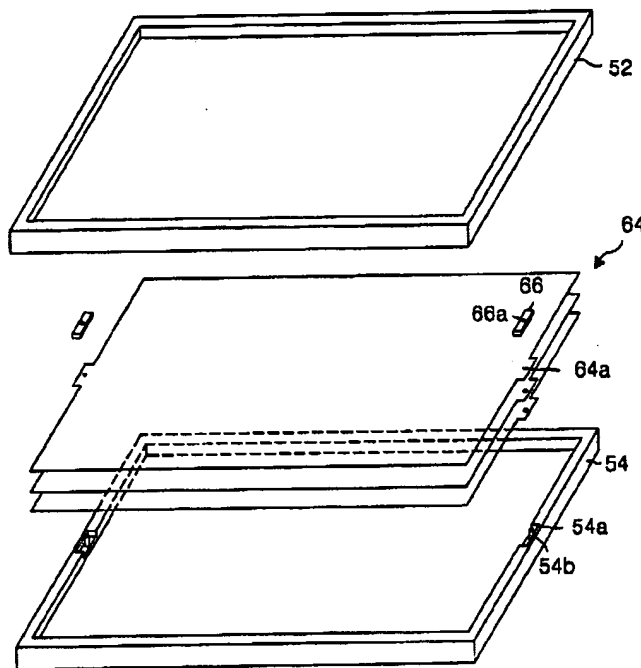
In response to applicant's amendment filed 03 November 2006, claims 1 and 9 have been amended. Claims 1-12 are pending. Applicant's arguments filed 03 November 2006 have been fully considered and found persuasive. In particular, it was agreed with applicant's arguments that:

- 1) Kim et al (6,175,396) "does not teach or suggest an elastic adhesive member disposed between the fixing portion of the second optical member and the second receiving container, the elastic adhesive member absorbing impact applied from an exterior and being expanded or contracted by a predetermined length corresponding to an expansion of the second optical member to prevent a wrinkle of the second optical member of amended Claims 1 and 9";
- 2) Shioya (5,583,681) "does not teach or suggest anything of a second optical member of the claimed invention... Shioya further does not teach or suggest an elastic adhesive member disposed between the fixing portion of the second optical member and the second receiving container, the elastic adhesive member absorbing impact applied from an exterior and being expanded or contracted by a predetermined length corresponding to an expansion of the second optical member to prevent a wrinkle of the second optical member of amended Claims 1 and 9."
- 3) "Thus, Kim and Shioya, alone or in combination, does not teach or suggest all of the limitations of amended Claims 1 and 9... there further exists no motivation or suggestion in Shioya to implement the feature between a second receiving container

and an optical member covered by the second receiving container that expands or contracts corresponding to an expansion of any display component, especially any adhesive/elastic members".

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Kim et al (2002/0024623) teaches the use of an elastic silicon

FIG.6



pad (66) for preventing damage and wrinkling to optical sheets (64) caused by motion or vibration to a liquid crystal display but does not teach the elastic member (66) also being adhesive, as claimed by applicant. See paragraphs [0026], [0027] for the teaching of the elastic member (66) being secured in place by the pin (54b) through hole (66a) and by pressure of the panel guide (52)

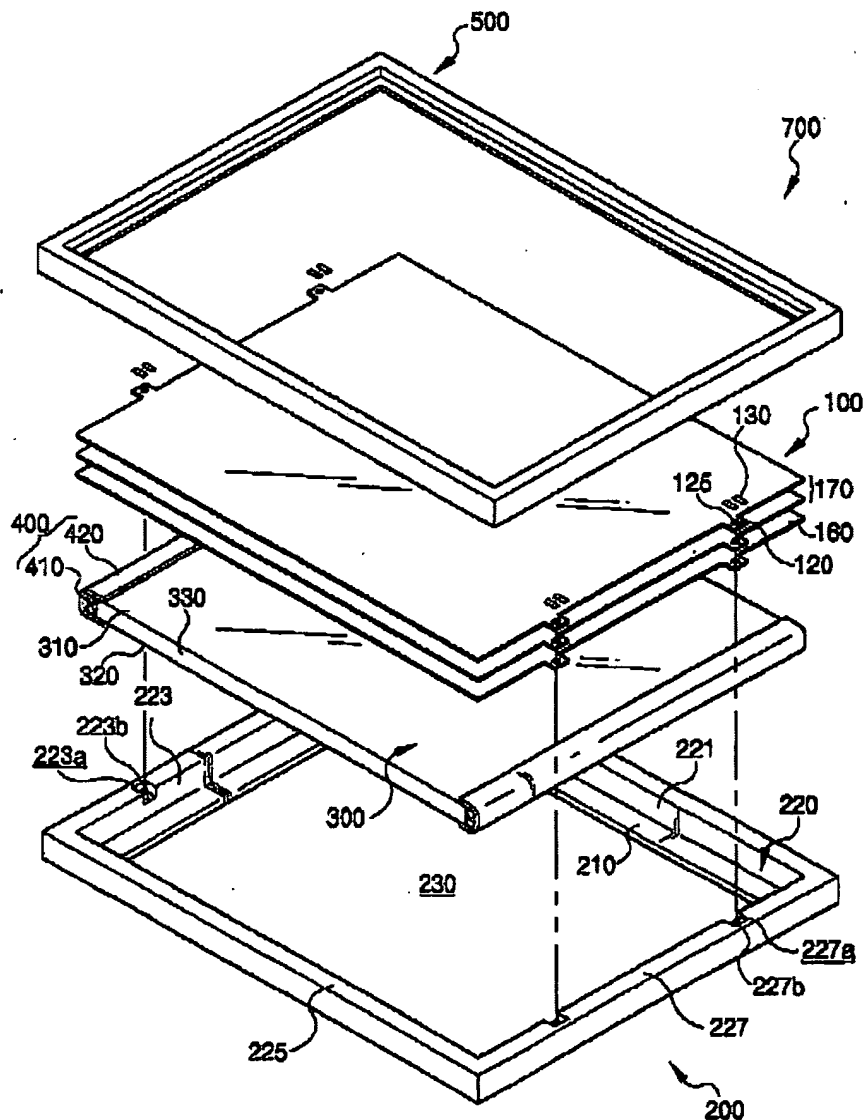
and main frame (54). Kim et al (2002/0024623), alone or in combination with the other cited prior art, does not teach or suggest all of the limitations of the amended independent claims 1 and 9.

The following is an examiner's statement of reasons for allowance:

Art Unit: 2874

Claims 1-12 are allowed, because the cited prior art, alone or in combination, do not teach or fairly suggest a backlight assembly (700) comprising a first receiving container (200) having a bottom surface and a sidewall (223,227) extended from edge of the bottom surface (210) so as to provide a receiving space (230);

an optical module (400) including a lamp (410) for generating a first light and a first optical member (420) for generating a second light having a brightness more uniform than that of the first light;

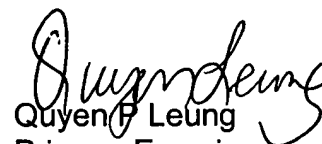


a second optical member (100) including a body (110) for generating a third light by controlling optical characteristics of the second light and at least one fixing portion (120) protruded from edges of the body (110) toward the first receiving container (200) and coupled to the sidewall (223,227);

a second receiving container (500) combined with the sidewall (223,227) of the first receiving container (200) for covering the fixing portion (120);

and an elastic adhesive member (130) disposed between the fixing portion (120) of the second optical member (100) and the second receiving container (500), the elastic adhesive member (130) absorbing impact applied from an exterior and being expanded or contracted by a predetermined length corresponding to an expansion of the second optical member (100) to prevent a wrinkle of the second optical member (100). Further, the cited prior art do not disclose or fairly suggest a liquid crystal display panel (1000) comprising the features of the claimed backlight assembly (700) and a liquid crystal display panel (800) disposed on the second optical member (100), for changing the third light emitted from the second optical member (100) into light having image information; and a chassis (900) for fixing the liquid crystal display panel (800).

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."


Quyen P. Leung
Primary Examiner
Art Unit 2874